

# SEQUENCE LISTING

<110> Segers, Ruud  
Frey, Joachim

<120> live attenuated bacteria of the species actinobacillus pleuropneumoniae

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<170> PatentIn version 3.1

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agt ccg ttg gtg gag ttt aca gct gat tta tta act gtt acg cct att Ser Pro Leu Val Glu Phe Thr Ala Asp Leu Leu Thr Val Thr Pro Ile 500 505 510 515	2676
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Val Pro Val Leu Gly Ile Ile Glu Asn Met Ser Val His Ile Cys Gln 50 55 60
Asn Cys Gly His His Glu Asp Ile Phe Gly Thr Gly Gly Ala Glu Lys

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 Val Ala Lys Lys Tyr Gly Thr Lys Val Leu Gly Gln Met Pro Leu His  
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 Ile Arg Leu Arg Gln Asp Leu Asp Ala Gly Thr Pro Thr Val Val Ala  
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 Ala Pro Glu His Glu Thr Ser Arg Ala Tyr Ile Glu Leu Ala Ala Lys  
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 Phe Asn Ala Gly Lys Ser Arg Ile Ile Ala Pro Gln Val Pro Pro Ile  
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 Gly Leu Glu Ser Ile Ile Asp Pro Ser Gly Ile Gly Gly Thr Val Asn  
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 Phe Lys Ala Glu Ala Ala Lys Lys Ser His Trp Ser Leu Val Asn Ala  
 225 230 235 240  
 Ala Lys Val Tyr Gly Gly Leu Asp Gln Ile Ile Lys Lys Leu Trp Asp  
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 Ser Gly Ser Ile Lys His Leu Tyr Gln Asp Lys Asp Thr Gly Lys Leu  
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 Thr Pro Ile Asp Glu Asn Gly Lys Ala Leu Ser Glu Lys Ser Ile Thr  
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Thr	Gly	Trp	Leu	Ala	Ala	Asp	Asp	Gly	Phe	Leu	Val	Leu	Asp	Arg	Asn
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Phe	Ser	Lys	Leu	Gln	Ile	Trp	Arg	Asp	Leu	Asn	Gln	Asn	Gly	Phe	Ser
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Glu	Leu	Ala	Ala	Leu	Leu	Gln	Gln	Tyr	Thr	Lys	Ala	Ser	Asp	Phe	Gln
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Ser Thr Asp Ser Ser Ala Ser Val Val Arg Val Thr Pro Ser Gln Leu  
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